



GE Silicones

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FORMAT: USA  
PRODUCT: GE283

MATERIAL SAFETY DATA SHEET  
SILICONE SEALANT

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:  
GE SILICONES  
260 HUDSON RIVER ROAD  
WATERFORD, NY 12188

SUPPLIED BY:  
GE SILICONES  
260 HUDSON RIVER ROAD  
WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)  
(518) 237-3330

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REVISED: 11/03/99  
PREPARER: CE BRITTON  
CHEMICAL FAMILY/USE: SILICONE RUBBER SEALANT  
FORMULA: MIXTURE

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV TWA	OSHA PEL STEL	OSHA PEL TWA	OSHA PEL STEL	UNITS
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### 1. HAZARDOUS

HEXAMETHYLDISILAZANE						
999-97-3	1-5	25 (R)	NE	35	STEL NE	(R) PPM

METHYLTRIMETHOXYSILANE						
1185-55-3	1-5	NA	NE	NA	NE	NA

### 2. NON-HAZARDOUS

ME-DIMETHOXY/STPD POLYDIME-SILOXANE						
68037-58-1	60-80	NE	NE	NE	NE	NA
DIMETHYLPOLYSILOXANE						
63148-62-9	10-30	NE	NA	NE	NA	NA
TETRAMER TREATED FUMED SILICA						
68583-49-3	10-30	10	NE	15	NE	MG/M3

See Section 15 for description of any WHMIS Trade Secret(s).

### 3. HAZARDS IDENTIFICATION

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#### EMERGENCY OVERVIEW:

##### WARNING!

Irritating to skin, eyes, and respiratory tract.

May be harmful if swallowed.

Refer to other MSDS sections for detailed information.

Ammonia odor

Varied color solid

#### POTENTIAL HEALTH EFFECTS:

##### INGESTION:

May be harmful if swallowed.

##### SKIN CONTACT:

Uncured product contact will irritate lips, gums and tongue.

Uncured product contact may irritate the skin.

##### INHALATION:

Causes mild respiratory irritation.

Applies only in uncured state.

##### EYE CONTACT:

Uncured product contact irritates eyes.

#### MEDICAL CONDITIONS AGGRAVATED:

None known.

#### SUBCHRONIC (TARGET ORGAN) EFFECTS:

None known

#### CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

#### PRODUCTS/INGREDIENTS

This space reserved for special use.

#### PRINCIPLE ROUTES OF EXPOSURE:

Dermal - skin.

Eyes.

#### OTHER:

Methanol released during curing.

This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees Fahrenheit (150'C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for Formaldehyde is available from GE Silicones.

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### 4. FIRST AID MEASURES

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#### INGESTION:

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

#### SKIN:

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water.

Get medical attention if irritation persists.

INHALATION:

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN:

None known.

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5. FIRE FIGHTING MEASURES

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FLASH POINT: NONE (C) NONE (F)  
METHOD : NA  
IGNITION TEMP : NA (C) NA (F)  
FLAMMABLE LIMITS IN AIR - LOWER (%): NA  
FLAMMABLE LIMITS IN AIR - UPPER (%): NA  
SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO  
SENSITIVITY TO STATIC DISCHARGE:  
Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA:

All standard firefighting media

SPECIAL FIREFIGHTING PROCEDURES:

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

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6. ACCIDENTAL RELEASE MEASURES

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ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wipe, scrape or soak up in an inert material and put in a container for disposal.

Wash walking surfaces with detergent and water to reduce slipping hazard.

Wear proper protective equipment as specified in the protective equipment section.

Increase area ventilation.

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7. HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid contact with skin and eyes.

Use only in a well ventilated area.

Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation.

Store away from heat, sources of ignition, and incompatibles.

Product releases methanol during application and curing.

(methanol TLV = 200 ppm).

Keep away from children.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:

Showers and eyewash stations. See "Ventilation" below.

RESPIRATORY PROTECTION:

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29 CFR 1910.134).

PROTECTIVE GLOVES:

Cloth gloves.

EYE AND FACE PROTECTION:

Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

Wear eye protection and protective clothing.

VENTILATION:

Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

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9. PHYSICAL AND CHEMICAL PROPERTIES

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PRODUCT INFORMATION:

BOILING POINT	:	NA	(C) NA	(F)
VAPOR PRESSURE (20 C) (MM HG)	:	NEGL.		
VAPOR DENSITY (AIR=1)	:	NEGL.		
FREEZING POINT	:	NA	(C) NA	(F)
MELTING POINT	:	NA	(C) NA	(F)
PHYSICAL STATE	:	SOLID		
ODOR	:	AMMONIA		
COLOR	:	BLACK		

ODOR THRESHOLD (PPM) : 46.8  
% VOLATILE BY VOLUME : <3.6  
1□ EVAP. RATE (BUTYL ACETATE=1) : >1  
SPECIFIC GRAVITY (WATER=1) : 1.030  
DENSITY (KG/M3) : 1048.5  
ACID/ALKALINITY (MEQ/G) : UNKNOWN  
PH : NA  
VOC EXCL.H2O & EXEMPTS (G/L) : <38  
SOLUBILITY IN WATER (20 C) : INSOLUBLE  
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT) : SLIGHTLY SOLUBLE, TOLUENE

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#### 10. STABILITY AND REACTIVITY

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STABILITY: STABLE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:  
Carbon monoxide.  
Carbon dioxide.  
Silicon dioxide.  
Oxides of nitrogen.  
Methanol.  
Ammonia.  
INCOMPATIBILITY (MATERIALS TO AVOID):  
None known.  
CONDITIONS TO AVOID:  
Vapor and/or liquid react with water to form ammonia.  
Applies in uncured state.

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#### 11. TOXICOLOGICAL INFORMATION

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PRODUCT INFORMATION:  
ACUTE ORAL LD50 (MG/KG) : UNKNOWN  
ACUTE DERMAL LD50 (MG/KG) : UNKNOWN  
ACUTE INHALATION LC50 (MG/L) : UNKNOWN  
OTHER:  
None.  
  
AMES TEST: UNKNOWN

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#### 12. ECOLOGICAL INFORMATION

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ECOTOXICOLOGICAL INFORMATION: No data at this time  
CHEMICAL FATE INFORMATION: No data at this time

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### 13. DISPOSAL CONSIDERATIONS

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#### DISPOSAL METHOD:

Disposal should be made in accordance with federal, state and local regulations.

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### 14. TRANSPORT INFORMATION

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DOT SHIPPING NAME: NONE  
DOT HAZARD CLASS: NOT DOT REGULATED  
DOT LABEL(S): NONE  
UN/NA NUMBER: NONE  
PLACARDS: NONE  
IATA:  
NOT REGULATED BY IATA  
IMO IMDG-code: NOT REGULATED FOR OCEAN TRANSPORTATION  
EMS No: NA  
EUROPEAN CLASS:  
RID (OCTI): NONE  
ADR (ECE): NONE  
RAR (IATA): NONE

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### 15. REGULATORY INFORMATION

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SARA SECTION 302:  
None Found  
SARA (311,312) HAZARD CLASS:  
ACUTE HEALTH HAZARD  
SARA (313) CHEMICALS:  
NONE  
CPSC CLASSIFICATION: NA  
WHMIS HAZARD CLASS:  
D2A VERY TOXIC MATERIALS  
D2B TOXIC MATERIALS  
WHMIS TRADE SECRET:  
None  
EXPORT:

SCHDLE B/HTSUS: 3214.10 Mastic Based on Rubber  
ECCN: EAR99  
HAZARD RATING SYSTEMS  
HMIS FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 1  
NFPA FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 1  
CALIFORNIA PROPOSITION 65:  
NONE  
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16. OTHER INFORMATION

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This product or its components are on the European inventory of  
existing commercial chemicals (EINECS).....

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These data are offered in good faith as typical values and not  
as product specifications. No warranty, either expressed or  
implied, is made. The recommended industrial hygiene and safe  
handling procedures are believed to be generally applicable.  
However, each user should review these recommendations in the  
specific context of the intended use and determine whether they  
are appropriate.

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This product or its components are on the Australian inventory  
(ACQIN).....

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C = ceiling limit NEGL = negligible  
EST= estimated NF = none found  
NA = not applicable UNKN = unknown  
NE = none established REC = recommended  
ND = none determined V = recomb. By vendor  
By-product = reaction by- SKN = skin  
product, TSCA inventory TS = trade secret  
status not required under R = recommended  
40 CFR part 720.30(h-2) MST = mist  
STEL = short term exposure NT = not tested  
limit  
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